

Commercial Motor Vehicles in Collisions

Table 39 shows Commercial Motor Vehicle (CMV) collisions for 1999 through 2002. For the purposes of collision reporting, CMV's are buses, truck tractors, tractor-trailer combinations, trucks with more than two axles, trucks with more than two tires per axle, or trucks exceeding 8,000 pounds gross vehicle weight. This category also includes pickups with dual rear wheels.

Table 39 Commercial Motor Vehicle Collision Rates : 1999-2002						
	1999	2000	2001	2002	Change 2001-2002	Avg. Change 1999-2001
Fatal Collisions	29	27	35	32	-8.6%	11.4%
Injury Collisions	571	509	542	526	-3.0%	-2.2%
Total Collisions	1,868	1,878	1,893	1,766	-6.7%	0.7%
Commercial VMT (100 millions)	24.1	23.7	25.2	25.4	1.1%	2.2%
Fatal Collision Rate	1.2	1.1	1.4	1.3	-9.5%	8.4%
Injury Collision Rate	23.7	21.5	21.5	20.7	-4.0%	-4.5%
Total Collision Rate	77.5	79.2	75.2	69.4	-7.7%	-1.4%

Table 40 presents the location of CMV collisions by severity and roadway type. While 58% of all CMV collisions occurred on rural roadways, 81% of fatal CMV collisions took place on rural roadways.

The largest percentage of all CMV collisions (40%) occurred on local roads, while the largest percentage of fatal CMV collisions (63%) took place on US and State highways.

Table 40 Location of Commercial Motor Vehicle Collisions by Roadway Type: 2002								
	Fatal		Injury		Property Damage		All Collisions	
Interstate								
Rural	5	15.6%	67	12.7%	175	14.5%	247	14.0%
Urban	3	9.4%	42	8.0%	81	6.7%	126	7.1%
U.S. or State Highway								
Rural	18	56.3%	175	33.3%	282	23.3%	475	26.9%
Urban	2	6.3%	64	12.2%	149	12.3%	215	12.2%
Local								
Rural	3	9.4%	90	17.1%	213	17.6%	306	17.3%
Urban	1	3.1%	88	16.7%	308	25.5%	397	22.5%
Total	32	1.8%	526	29.8%	1208	68.4%	1766	

Table 41 shows the number of collisions by severity that each type of commercial motor vehicle was involved in for 1999 to 2002.

Table 41 Collisions Involving Commercial Motor Vehicles by Vehicle Type : 1999-2002						
	1999	2000	2001	2002	Change 2001-2002	Avg. Change 1999-2001
Bus						
Fatal Collisions	2	0	4	2	-50.0%	100.0%
Injury Collisions	41	34	42	42	0.0%	3.2%
Property Damage Collisions	110	93	118	116	-1.7%	5.7%
Single Unit Truck						
Fatal Collisions	8	6	11	8	-27.3%	29.2%
Injury Collisions	210	190	211	175	-17.1%	0.8%
Property Damage Collisions	427	437	417	360	-13.7%	-1.1%
Single Unit Truck with Trailer						
Fatal Collisions	3	3	1	0	-100.0%	-33.3%
Injury Collisions	47	36	20	25	25.0%	-33.9%
Property Damage Collisions	116	106	83	72	-13.3%	-15.2%
Truck Tractor Only (Bobtail)						
Fatal Collisions	0	0	1	1	0.0%	50.0%
Injury Collisions	6	7	5	6	20.0%	-6.0%
Property Damage Collisions	17	16	15	21	40.0%	-6.1%
Single-Trailer Configurations						
Fatal Collisions	14	14	15	19	26.7%	3.6%
Injury Collisions	242	204	248	253	2.0%	2.9%
Property Damage Collisions	513	591	601	559	-7.0%	8.4%
Double-Trailer Configurations						
Fatal Collisions	2	5	4	3	-25.0%	65.0%
Injury Collisions	43	47	32	40	25.0%	-11.3%
Property Damage Collisions	112	111	104	108	3.8%	-3.6%
Triple-Trailer Configurations						
Fatal Collisions	0	0	0	0	0.0%	0.0%
Injury Collisions	2	4	1	1	0.0%	12.5%
Property Damage Collisions	10	12	14	11	-21.4%	18.3%

*** Crashes between vehicle types are not mutually exclusive. In other words, a crash involving a bus and a single unit truck would be represented in both categories*

Table 42 shows different vehicle types as a percent of all vehicles in collisions excluding pedestrians, bicyclists, and non-motor vehicles.

Table 42 Vehicles in All Collisions by Vehicle Type: 1999-2002						
Vehicle Type	1999	2000	2001	2002	Change 2001-2002	Avg. Change 1999-2001
Passenger Cars	22,320	23,149	22,421	23,102	3.0%	0.3%
%	50.9%	50.6%	49.3%	49.9%	1.3%	-1.6%
Pickups, Vans, and Sport Utility Vehicles (SUV's)	18,807	19,790	20,140	20,334	1.0%	3.5%
%	42.9%	43.2%	44.3%	43.9%	-0.8%	1.6%
Medium Trucks*	819	793	770	652	-15.3%	-3.0%
%	1.9%	1.7%	1.7%	1.4%	-16.8%	-4.8%
Large Trucks**	991	1,032	1,067	1,057	-0.9%	3.8%
%	2.3%	2.3%	2.3%	2.3%	-2.6%	1.9%
Buses	155	127	166	163	-1.8%	6.3%
%	0.4%	0.3%	0.4%	0.4%	-3.5%	5.0%
Motorcycles	257	373	392	415	5.9%	25.1%
%	0.6%	0.8%	0.9%	0.9%	4.0%	22.3%
All Other***	472	508	545	577	5.9%	7.5%
%	1.1%	1.1%	1.2%	1.2%	4.0%	5.5%
TOTALS	43,821	45,772	45,501	46,300	1.8%	1.9%
<i>*Medium trucks are single unit trucks with more than 2 tires per axle or more than 2 axles.</i> <i>**Large trucks include bobtail tractors and tractor-semitrailer combinations.</i> <i>***Includes Farm Equipment, Recreational Vehicles, Construction , ATVs, Trains, Snowmobiles, Other and Unknown or Missing data.</i>						

Table 43 presents injury severity comparisons by vehicle type for all persons in CMV collisions. In 2002 there were 4,666 persons involved in CMV collisions. Occupants of passenger vehicles combined to comprise 43% of the persons involved in CMV collisions. Of the 37 fatalities that occurred in CMV collisions, 84% were occupants of passenger cars, pickups, vans, or other vehicles while 16% were occupants of CMV's.

Table 43 Comparison of Injury Severity for Persons in Commercial Motor Vehicle Collisions: 2002					
Injury Severity	Commercial Motor Vehicle	Car	Pickup, Van and SUVs*	All Other**	Totals
Fatalities	6	13	12	6	37
% of Fatalities	16.2%	35.1%	32.4%	16.2%	0.8%
Serious Injuries	30	62	55	4	151
% of Serious Injuries	19.9%	41.1%	36.4%	2.6%	3.2%
Visible Injuries	111	83	76	4	274
% of Visible Injuries	40.5%	30.3%	27.7%	1.5%	5.9%
Possible Injuries	143	143	121	4	411
% of Possible Injuries	34.8%	34.8%	29.4%	1.0%	8.8%
Non-Injury	2,211	726	647	35	3,619
% of Non- Injury	61.1%	20.1%	17.9%	1.0%	77.6%
Unknown	90	33	44	7	174
% of Unknown	51.7%	19.0%	25.3%	4.0%	3.7%
Column Totals	2,591	1,060	955	60	4,666
(% OF TOTAL)	55.5%	22.7%	20.5%	1.3%	
<i>*SUV is an acronym for Sport Utility Vehicles.</i> <i>**Includes pedestrians, bicyclists, motorcyclists, farm vehicles, construction equipment, RVs, and trains.</i>					

In 2002, the economic cost of collisions involving commercial motor vehicles was \$169.0 million dollars. This represents 10% of the total cost of Idaho collisions (as shown in Table 4).